

Datasheet: MCA6131

BATCH NUMBER 167657

Description:	MOUSE ANTI HUMAN CD273
Specificity:	CD273
Other names:	PD-L2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	24F.10C12
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Human CD273

External Database

Links

UniProt:

[Q9BQ51](#) [Related reagents](#)

Entrez Gene:

[80380](#) PDCD1LG2 [Related reagents](#)

Synonyms

B7DC, CD273, PDCD1L2, PDL2

Specificity

Mouse anti Human CD273 antibody, clone 24F.10C12 detects human [CD273](#), also known as B7-DC and Programmed Death Ligand 2 (PD-L2). CD273 is a ~42 kDa member of the immunoglobulin receptor superfamily, and is a ligand for [CD279](#) (PD-1). CD273 is primarily expressed on dendritic cells, and its expression can be induced on inflammatory macrophages when activated by interleukin 4 or Th2 cells.

CD273 functions to inhibit T-cell proliferation by blocking cell cycle progression and cytokine production, and is particularly important in the maintenance of self tolerance.

Clone 24F.10C12 is reported to block CD273 activity and enhance T-cell proliferation ([Brown et al. 2003](#))

Purity

>95% by SDS PAGE

Storage

Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6131>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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